

Protein Sequence Searches - February 2005

All of the sequence databases on ABSS have recently been updated.

- Please note that the curators of the UniProt database have purged some temporary accession numbers from the most recent version of UniProt. These sequences have been assigned new permanent accession numbers. The new UniProt record may not contain the previous temporary accession number.
- If you encounter an accession number from an older search run against UniProt (results file extension **.rup**) that can no longer be found in the database, the permanent record with the new accession number can be found by searching the old accession number in the UniProt Protein Archive database (UniPARC) at:

<http://www.pir.uniprot.org/database/archive.shtml>

If you have any questions regarding this information or your results, please contact any STIC searcher.

When submitting sequence search results for scanning into IFW, please include a copy of this attachment to assist any future Examiners or members of the public who may encounter UniProt temporary accession numbers.

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 14, 2006, 01:24:33 ; Search time 163 Seconds
(without alignments)
399.886 Million cell updates/sec

Title: US-09-770-528-2

Perfect score: 156

Sequence: 1 MWLSGALCFRMDKLSALKVL.....IPEDPAWDAPITDFVFOQCD 156

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 1867569 seqs, 417829326 residues

Word size : 8

Total number of hits satisfying chosen parameters: 3

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Published_Applications_AA_Main:

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23	14.7	29	4	US-10-716-029-251 Sequence 251, App
2	22	14.1	42	4	US-10-716-029-252 Sequence 252, App
3	10	6.4	10	4	US-10-716-029-250 Sequence 250, App

ALIGNMENTS

RESULT 1

US-10-716-029-251

; Sequence 251, Application US/10716029

; Publication No. US20040171038A1

; GENERAL INFORMATION:

; APPLICANT: Nicklin, Martin

; APPLICANT: Kornman, Kenneth

; APPLICANT: Kornman, Maryam R

; APPLICANT: Hsieh, Chung-Ming

; APPLICANT: Govindaraju, Raju

; APPLICANT: Aziz, Nazneen

; TITLE OF INVENTION: The IL-1 Gene Cluster and Associated Inflammatory Polymorphisms

; FILE REFERENCE: 24299-524 CON

; CURRENT APPLICATION NUMBER: US/10716,029

; PRIOR FILING DATE: 2003-11-17

; PRIOR APPLICATION NUMBER: 10/351,702

; PRIOR FILING DATE: 2003-01-25

; PRIOR APPLICATION NUMBER: 60/351,951

; PRIOR FILING DATE: 2002-01-25

; NUMBER OF SEQ ID NOS: 277

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 251

; LENGTH: 29

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-716-029-251

Query Match

Best Local Similarity 14.7%; Score 23; DB 4; Length 29;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 MKDSALKVLYLHNNQLLAGLHA 34

Db 1 MKDSALKVLYLHNNQLLAGLHA 23

RESULT 2

US-10-716-029-252

; Sequence 252, Application US/10716029

; Publication No. US20040171038A1

; GENERAL INFORMATION:

; APPLICANT: Nicklin, Martin

; APPLICANT: Kornman, Kenneth

; APPLICANT: Kornman, Maryam R

; APPLICANT: Hsieh, Chung-Ming

; APPLICANT: Govindaraju, Raju

; APPLICANT: Aziz, Nazneen

; TITLE OF INVENTION: The IL-1 Gene Cluster and Associated Inflammatory Polymorphisms

; FILE REFERENCE: 24299-524 CON

; CURRENT APPLICATION NUMBER: US/10716,029

; PRIOR FILING DATE: 2003-11-17

; PRIOR APPLICATION NUMBER: 10/351,702

; PRIOR FILING DATE: 2003-01-25

; PRIOR APPLICATION NUMBER: 60/351,951

; NUMBER OF SEQ ID NOS: 277

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 252

; LENGTH: 42

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-716-029-252

Query Match

Best Local Similarity 14.1%; Score 22; DB 4; Length 42;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 51 LDASLSPVILGVGGSGQCLSCG 72

Db 11 LDASLSPVILGVGGSGQCLSCG 32

RESULT 3

US-10-716-029-250

; Sequence 250, Application US/10716029

; Publication No. US20040171038A1

; GENERAL INFORMATION:

; APPLICANT: Nicklin, Martin

; APPLICANT: Kornman, Kenneth

; APPLICANT: Kornman, Maryam R

; APPLICANT: Hsieh, Chung-Ming

; APPLICANT: Govindaraju, Raju

; APPLICANT: Aziz, Nazneen

; TITLE OF INVENTION: The IL-1 Gene Cluster and Associated Inflammatory Polymorphisms

; FILE REFERENCE: 24299-524 CON

; CURRENT APPLICATION NUMBER: US/10716,029

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; CURRENT FILING DATE: 2003-11-17
; PRIOR APPLICATION NUMBER: 10/351,702
; PRIOR FILING DATE: 2003-01-25
; PRIOR APPLICATION NUMBER: 60/351,951
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 277
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 250
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-716-029-250
```

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Query Match      6.4%; Score 10; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 MVLGGALCFR 11
Db      1 MVLGGALCFR 10
```

```
Search completed: April 14, 2006, 01:27:58
Job time : 163 secs
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: April 14, 2006, 01:16:08 ; Search time 185 Seconds
(without alignments)

370.503 Million cell updates/sec

Title: US-09-770-528-2

Perfect score: 156

Sequence: 1 MMVLSGALCFRMDKLSALKVL.....IPEDPAWDAPITDFYFQCD 156

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 2443163 seqs, 439378781 residues

Word size : 8

Total number of hits satisfying chosen parameters: 9

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : A_Geneseq_21:*

1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*
9: geneseqp2005s:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	13.5	21	2 AAW85942	AAW85942 Epitope f
2	18	11.5	18	2 AAW85941	AAW85941 Epitope f
3	13	8.3	13	2 AAW85948	AAW85948 Epitope f
4	13	8.3	13	2 AAW85944	AAW85944 Epitope f
5	13	8.3	13	2 AAW85943	AAW85943 Epitope f
6	13	8.3	13	2 AAW85947	AAW85947 Epitope f
7	13	8.3	13	2 AAW85945	AAW85945 Epitope f
8	12	7.7	12	2 AAW85946	AAW85946 Epitope f
9	10	6.4	10	3 AAY96942	AAY96942 Processed

ALIGNMENTS

RESULT 1
ID AAW85942 standard; peptide; 21 AA.
XX
AC AAW85942;
XX
DT 19-FEB-1999 (first entry)
XX
DE Epitope fragment of rodent IL-1 delta polypeptide.
XX

KW Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
KW inflammatory response; immune system; diagnosis; agonist; antagonist;
KW chemokine; epitope.

OS Mus sp.

XX WO9847921-A1.

XX 29-OCT-1998.

XX 17-APR-1998; 98WO-US006879.

XX 21-APR-1997; 97US-00837627.

XX 06-AUG-1997; 97US-0055111P.

XX (SCHE) SCHERING CORP.

XX Hedrick JA, Sana TR, Bazan JF, Kastelein RA;

XX WPI; 1998-609976/51.

XX Mammalian interleukin 1-delta and 1-epsilon - useful for, e.g. regulating
the immune system and inflammatory responses.

XX Claim 3; Page 100; 113pp; English.

XX The invention relates to a recombinant polypeptide that specifically
binds polyclonal antibodies (Abs) generated against a 12 consecutive
amino acid segment of interleukin (IL)-1 delta or IL-1 epsilon. Agonists
or antagonists of these IL polypeptides are used to regulate a cell
involved in an inflammatory response. The IL-1 delta or IL-1 epsilon
polypeptides and peptides are used to produce Abs and antigen-Abs
complexes. The polypeptides; Abs and the corresponding nucleic acids
regulate development and/or the immune system, and can be used to
diagnose and treat conditions associated with abnormal expression of IL.
Agonists or antagonists of IL-1 delta or IL-1 epsilon polypeptides are
used with agonists or antagonists of IL-1 alpha, IL-1 beta, IL-1
gamma, IL-2 and/or IL-12. The IL-1 delta or IL-1 epsilon polypeptides may
be used as a soluble polypeptide or as a fusion protein with another
cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
polyclonal antibodies can be generated

XX Sequence 21 AA;

Query Match 13.5%; Score 21; DB 2; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.1e-14;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 43 ISVVPNEALDASLSPVILGVQ 63

Db 1 ISVVPNEALDASLSPVILGVQ 21

RESULT 2

AAW85941

ID AAW85941 standard; peptide; 18 AA.

XX AAW85941;

XX 19-FEB-1999 (first entry)

XX Epitope fragment of rodent IL-1 delta polypeptide.

KW Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
KW inflammatory response; immune system; diagnosis; agonist; antagonist;
KW chemokine; epitope.

OS Mus sp.

XX WO9847921-A1.

XX 29-OCT-1998.

XX 17-APR-1998; 98WO-US006879.
 XX 21-APR-1997; 97US-00837627.
 PR 06-AUG-1997; 97US-0055111P.
 XX (SCHE) SCHERING CORP.
 XX Hedrick JA, Sana TR, Bazan JF, Kastelein RA;
 DR WPI; 1998-609976/51.
 XX Mammalian interleukin 1-delta and 1-epsilon - useful for, e.g. regulating
 PT the immune system and inflammatory responses.
 PS Claim 3; Page 100; 113pp; English.
 XX The invention relates to a recombinant polypeptide that specifically
 CC binds polyclonal antibodies (Abs) generated against a 12 consecutive
 CC amino acid segment of interleukin (IL)-1 delta or IL-1 epsilon. Agonists
 CC or antagonists of these IL polypeptides are used to regulate a cell
 CC involved in an inflammatory response. The IL-1 delta or IL-1 epsilon
 CC polypeptides and peptides are used to produce Abs and antigen-Abs
 CC complexes. The polypeptides, Abs and the corresponding nucleic acids
 CC regulate development and/or the immune system, and can be used to
 CC diagnose and treat conditions associated with abnormal expression of IL.
 CC Agonists or antagonists of IL-1 delta or IL-1 epsilon polypeptides are
 CC used with agonists or antagonists of IL-1 alpha, IL-1 beta, IL-1
 CC gamma, IL-2 and/or IL-12. The IL-1 delta or IL-1 epsilon polypeptides may
 CC be used as a soluble polypeptide or as a fusion protein with another
 CC cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
 CC fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
 CC polyclonal antibodies can be generated
 XX Sequence 18 AA;
 SQ
 Query Match 11.5%; Score 18; DB 2; Length 18;
 Best Local Similarity 100.0%; Pred. No. 1.6e-11;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 8 LCFRMDKSLKVLVLYLNN 25
 DB 1 LCFRMDKSLKVLVLYLNN 18
 RESULT 3
 AAW85948
 ID AAW85948 standard; peptide; 13 AA.
 XX AAW85948;
 AC AAW85948;
 DT 19-FEB-1999 (first entry)
 XX Epitope fragment of rodent IL-1 delta polypeptide.
 DE Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
 XX inflammatory response; immune system; diagnosis; agonist; antagonist;
 KW chemokine; epitope.
 XX Mus sp.
 OS WO9847921-A1.
 PN 29-OCT-1998.
 PD 17-APR-1998; 98WO-US006879.
 XX 21-APR-1997; 97US-00837627.
 PR 06-AUG-1997; 97US-0055111P.
 XX (SCHE) SCHERING CORP.
 XX Hedrick JA, Sana TR, Bazan JF, Kastelein RA;
 PI WPI; 1998-609976/51.

XX WPI; 1998-609976/51.
 XX Mammalian interleukin 1-delta and 1-epsilon - useful for, e.g. regulating
 PT the immune system and inflammatory responses.
 XX Claim 3; Page 100; 113pp; English.
 XX The invention relates to a recombinant polypeptide that specifically
 CC binds polyclonal antibodies (Abs) generated against a 12 consecutive
 CC amino acid segment of interleukin (IL)-1 delta or IL-1 epsilon. Agonists
 CC or antagonists of these IL polypeptides are used to regulate a cell
 CC involved in an inflammatory response. The IL-1 delta or IL-1 epsilon
 CC polypeptides and peptides are used to produce Abs and antigen-Abs
 CC complexes. The polypeptides, Abs and the corresponding nucleic acids
 CC regulate development and/or the immune system, and can be used to
 CC diagnose and treat conditions associated with abnormal expression of IL.
 CC Agonists or antagonists of IL-1 delta or IL-1 epsilon polypeptides are
 CC used with agonists or antagonists of IL-1 alpha, IL-1 beta, IL-1
 CC gamma, IL-2 and/or IL-12. The IL-1 delta or IL-1 epsilon polypeptides may
 CC be used as a soluble polypeptide or as a fusion protein with another
 CC cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
 CC fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
 CC polyclonal antibodies can be generated
 XX Sequence 13 AA;
 SQ
 Query Match 8.3%; Score 13; DB 2; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.8e-06;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 109 TSSFESAAYPGMF 121
 DB 1 TSSFESAAYPGMF 13
 RESULT 4
 AAW85944
 ID AAW85944 standard; peptide; 13 AA.
 XX AAW85944;
 AC AAW85944;
 DT 19-FEB-1999 (first entry)
 XX Epitope fragment of rodent IL-1 delta polypeptide.
 DE Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
 KW inflammatory response; immune system; diagnosis; agonist; antagonist;
 KW chemokine; epitope.
 XX Mus sp.
 OS WO9847921-A1.
 PN 29-OCT-1998.
 PD 17-APR-1998; 98WO-US006879.
 XX 21-APR-1997; 97US-00837627.
 PR 06-AUG-1997; 97US-0055111P.
 XX (SCHE) SCHERING CORP.
 XX Hedrick JA, Sana TR, Bazan JF, Kastelein RA;
 PI WPI; 1998-609976/51.
 XX Mammalian interleukin 1-delta and 1-epsilon - useful for, e.g. regulating
 PT the immune system and inflammatory responses.
 XX Claim 3; Page 100; 113pp; English.
 XX The invention relates to a recombinant polypeptide that specifically

CC binds polyclonal antibodies (Abs) generated against a 12 consecutive
 CC amino acid segment of interleukin (IL)-1 delta or IL-1 epsilon. Agonists
 CC or antagonists of these IL polypeptides are used to regulate a cell
 CC involved in an inflammatory response. The IL-1 delta or IL-1 epsilon
 CC polypeptides and peptides are used to produce Abs and antigen-Abs
 CC complexes. The polypeptides, Abs and the corresponding nucleic acids
 CC regulate development and/or the immune system, and can be used to
 CC diagnose and treat conditions associated with abnormal expression of IL.
 CC Agonists or antagonists of IL-1 delta or IL-1 epsilon polypeptides are
 CC used with agonists or antagonists of IL-1 alpha, IL-1RA, IL-1 beta, IL-1
 CC gamma, IL-2 and/or IL-12. The IL-1 delta or IL-1 epsilon polypeptides may
 CC be used as a soluble polypeptide or as a fusion protein with another
 CC cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
 CC fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
 CC polyclonal antibodies can be generated
 XX
 SQ Sequence 13 AA;

Query Match 8.3%; Score 13; DB 2; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.8e-06;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 PILKLEPVNIMEL 89
 DB 1 PILKLEPVNIMEL 13
 |||||

RESULT 5
 AAW85943
 ID AAW85943 standard; peptide; 13 AA.

XX AC AAW85943;
 XX DT 19-FEB-1999 (first entry)

XX DE Epitope fragment of rodent IL-1 delta polypeptide.

XX KW Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
 XX inflammatory response; immune system; diagnosis; agonist; antagonist;
 XX chemokine; epitope.

XX OS Mus sp.

XX PN WO9847921-A1.

XX PD 29-OCT-1998.

XX PF 17-APR-1998; 98WO-US006879.

XX PR 21-APR-1997; 97US-00837627.

XX PR 06-AUG-1997; 97US-0055111P.

XX PA (SCHE) SCHERING CORP.

XX PI Hedrick JA, Sana TR, Bazan JF, Kastelein RA;

XX WPI; 1998-609976/51.

XX MM Mammalian interleukin 1-delta and 1-epsilon - useful for, e.g. regulating
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XX PS Claim 3; Page 100; 113pp; English.

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 CC involved in an inflammatory response. The IL-1 delta or IL-1 epsilon
 CC polypeptides and peptides are used to produce Abs and antigen-Abs
 CC complexes. The polypeptides, Abs and the corresponding nucleic acids
 CC regulate development and/or the immune system, and can be used to
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 CC Agonists or antagonists of IL-1 delta or IL-1 epsilon polypeptides are

CC used with agonists or antagonists of IL-1 alpha, IL-1RA, IL-1 beta, IL-1
 CC gamma, IL-2 and/or IL-12. The IL-1 delta or IL-1 epsilon polypeptides may
 CC be used as a soluble polypeptide or as a fusion protein with another
 CC cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
 CC fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
 CC polyclonal antibodies can be generated
 XX
 SQ Sequence 13 AA;

Query Match 8.3%; Score 13; DB 2; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.8e-06;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 SPVILGVQGSQC 68
 DB 1 SPVILGVQGSQC 13
 |||||

RESULT 6
 AAW85947
 ID AAW85947 standard; peptide; 13 AA.

XX AC AAW85947;

XX DT 19-FEB-1999 (first entry)

XX DE Epitope fragment of rodent IL-1 delta polypeptide.

XX KW Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
 XX inflammatory response; immune system; diagnosis; agonist; antagonist;
 XX chemokine; epitope.

XX OS Mus sp.

XX PN WO9847921-A1.

XX PD 29-OCT-1998.

XX PF 17-APR-1998; 98WO-US006879.

XX PR 21-APR-1997; 97US-00837627.

XX PR 06-AUG-1997; 97US-0055111P.

XX PA (SCHE) SCHERING CORP.

XX PI Hedrick JA, Sana TR, Bazan JF, Kastelein RA;

XX WPI; 1998-609976/51.

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 CC used with agonists or antagonists of IL-1 alpha, IL-1RA, IL-1 beta, IL-1
 CC gamma, IL-2 and/or IL-12. The IL-1 delta or IL-1 epsilon polypeptides may
 CC be used as a soluble polypeptide or as a fusion protein with another
 CC cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
 CC fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
 CC polyclonal antibodies can be generated
 XX
 SQ Sequence 13 AA;

```

Query Match      8.3%; Score 13; DB 2; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.8e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 135 TQIPEDPAWDAP1 147
DB 1 TQIPEDPAWDAP1 13

RESULT 7
AAW85945
ID AAW85945 standard; peptide; 13 AA.
XX
AC AAW85945;
XX
DT 19-FEB-1999 (first entry)
XX
DE Epitope fragment of rodent IL-1 delta polypeptide.
XX
KW Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
KW inflammatory response; immune system; diagnosis; agonist; antagonist;
KW chemokine; epitope.
XX
OS Mus sp.
XX
PN WO9847921-A1.
XX
PD 29-OCT-1998.
XX
PF 17-APR-1998; 98WO-US006879.
XX
PR 21-APR-1997; 97US-00837627.
XX
PR 06-AUG-1997; 97US-0055111P.
XX
PA (SCHE ) SCHERING CORP.
XX
PI Hedrick JA, Sana TR, Bazan JF, Kastelein RA;
XX
WPI; 1998-609976/51.
XX
Mammalian interleukin 1-delta and 1-epsilon - useful for, e.g. regulating
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XX
Claim 3; Page 100; 113pp; English.
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The invention relates to a recombinant polypeptide that specifically
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or antagonists of these IL polypeptides are used to regulate a cell
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Agonists or antagonists of IL-1 delta or IL-1 epsilon polypeptides are
used with agonists or antagonists of IL-1 alpha, IL-1 beta, IL-1
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be used as a soluble polypeptide or as a fusion protein with another
cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
polyclonal antibodies can be generated
XX
Sequence 13 AA;

Query Match      8.3%; Score 13; DB 2; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.8e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 109 TSSFESAAYPGWF 121
DB 1 TSSFESAAYPGWF 13

RESULT 8
AAW85946
ID AAW85946 standard; peptide; 12 AA.
XX
AC AAW85946;
XX
DT 19-FEB-1999 (first entry)
XX
DE Epitope fragment of rodent IL-1 delta polypeptide.
XX
KW Interleukin; IL-1 delta; polyclonal antibody; IL-1 epsilon; cytokine;
KW inflammatory response; immune system; diagnosis; agonist; antagonist;
KW chemokine; epitope.
XX
OS Mus sp.
XX
PN WO9847921-A1.
XX
PD 29-OCT-1998.
XX
PF 17-APR-1998; 98WO-US006879.
XX
PR 21-APR-1997; 97US-00837627.
XX
PR 06-AUG-1997; 97US-0055111P.
XX
PA (SCHE ) SCHERING CORP.
XX
PI Hedrick JA, Sana TR, Bazan JF, Kastelein RA;
XX
WPI; 1998-609976/51.
XX
Mammalian interleukin 1-delta and 1-epsilon - useful for, e.g. regulating
the immune system and inflammatory responses.
XX
Claim 3; Page 100; 113pp; English.
XX
The invention relates to a recombinant polypeptide that specifically
binds polyclonal antibodies (Abs) generated against a 12 consecutive
amino acid segment of interleukin (IL)-1 delta or IL-1 epsilon. Agonists
or antagonists of these IL polypeptides are used to regulate a cell
involved in an inflammatory response. The IL-1 delta or IL-1 epsilon
polypeptides and peptides are used to produce Abs and antigen-Abs
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used with agonists or antagonists of IL-1 alpha, IL-1 beta, IL-1
gamma, IL-2 and/or IL-12. The IL-1 delta or IL-1 epsilon polypeptides may
be used as a soluble polypeptide or as a fusion protein with another
cytokine or chemokine. Sequences AAW85941 to AAW85948 represent epitope
fragments of a rodent interleukin (IL)-1 delta polypeptide, against which
polyclonal antibodies can be generated
XX
Sequence 12 AA;

Query Match      7.7%; Score 12; DB 2; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.1e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 121 FLCTSPFADQPV 132
DB 1 FLCTSPFADQPV 12

RESULT 9
AAI96942
ID AAI96942 standard; peptide; 10 AA.
XX
AC AAI96942;
XX
DT 31-OCT-2000 (first entry)
XX
DE Processed N-terminal peptide of human and murine IL-1RA3.

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XX      hIL-1Ra1L; human interleukin-1 receptor antagonist-1 long; IL-1lp;
KW      osteopathic; interleukin-1-like polypeptide; anti-inflammatory;
KW      anti-asthmatic; anti-arthritic; antimicrobial; respiratory; vaccine;
KW      anti-ischemic; dermatological; immunomodulatory; gastrointestinal;
KW      gene therapy; N-terminal.
XX
XX      Homo sapiens.
OS      Mus sp.
XX      WO200039297-A2.
XX      PD      06-JUL-2000.
XX      PF      22-DEC-1999; 99WO-US030720.
XX      PR      23-DEC-1998; 98US-0113430P.
XX      PR      22-JAN-1999; 99US-0116843P.
XX      PR      13-APR-1999; 99US-0129122P.
XX
PA      (GETH ) GENENTECH INC.
XX
XX      Goddard A, Pan J;
XX
XX      WPI; 2000-452395/39.
XX
PT      Nucleic acids encoding interleukin-1-like polypeptides, useful for
PT      preventing and treating e.g. inflammation, asthma and psoriasis.
XX
XX      Example 14; Page 95; 143pp; English.
XX
CC      An isolated nucleic acid molecule encoding an interleukin-1-like
CC      polypeptide (IL-1lp) that retains one or more activities of the peptide
CC      from which it is derived, such as the IL-18R binding activity of a human
CC      interleukin-1 receptor antagonist-1 (hIL-1Ra1) polypeptide, is new. The
CC      nucleic acids may be used in molecular engineering applications, e.g.
CC      hybridization assays and chromosome and gene mapping studies, for
CC      recombinantly producing the IL-1lp polypeptide or for producing gene
CC      knock out animals to study the role of the protein in metabolism and
CC      disease processes (conversely, gene therapy protocols may be used to
CC      supplement a patient's production of the polypeptide or to rectify
CC      mutations that lead to the production of in active peptides). The
CC      peptides produced may be used to screen for and produce modulators (e.g.
CC      antibodies) of IL-1lp protein expression and activity which may be use to
CC      treat disorders associated with inappropriate IL-1lp expression and
CC      activity, such as inflammatory disorders, asthma, arthritis,
CC      osteoarthritis, sepsis, acute lung injury, adult respiratory distress
CC      syndrome, idiopathic pulmonary fibrosis, ischemic reperfusion disease,
CC      psoriasis, graft versus host disease and/or inflammatory bowel disease
XX
XX      Sequence 10 AA:
SQ

```

```

Query Match      6.4%; Score 10; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      3 VL5GALCFRM 12
        |||||
Db      1 VL5GALCFRM 10

```

Search completed: April 14, 2006, 01:19:40
Job time : 185 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 14, 2006, 01:19:58 ; Search time 38 Seconds
(without alignments)
394.995 Million cell updates/sec

Title: US-09-770-528-2
Perfect score: 156
Sequence: 1 MWVLGALCFRWKDSALKVL.....IPEDPAWDAPITDFYFQQCD 156

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 283416 seqs, 96216763 residues

Word size : 8

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : PIR 80:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description

No matches found

Search completed: April 14, 2006, 01:24:18
Job time : 38 secs

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OM protein - protein search, using sw model

Run on: April 14, 2006, 01:16:48 ; Search time 228 Seconds
(without alignments)
482.730 Million cell updates/sec

Title: US-09-770-528-2
Perfect score: 156
Sequence: 1 MWVLSGALCFRMKDSALKVL.....IPDPAPWDAPITDFYFQQCD 156

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 2166443 seqs, 705528306 residues

Word size : 8

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : UniProt 05.80:*
1: uniprot_sprot:*
2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result #	Query				
No.	Score	Match	Length	DB	ID
Description					

No matches found

Search completed: April 14, 2006, 01:23:34
Job time : 228 secs

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OM protein - protein search, using sw model

Run on: April 14, 2006, 01:23:48 ; Search time 46 Seconds
(without alignments)
280.378 Million cell updates/sec

Title: US-09-770-528-2
Perfect score: 156
Sequence: 1 MMVLSGALCFRMKDSALKVL.....IPEDPAWDAPITDFYFQQCD 156

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 8

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Issued Patents, AA:*
1: /cgn2_6/ptodata/1/iaa/5 COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/6 COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/H COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/RE COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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No matches found

Search completed: April 14, 2006, 01:25:10
Job time : 46 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 14, 2006, 01:25:23 ; Search time 26 Seconds
(without alignments)
254.935 Million cell updates/sec

Title: US-09-770-528-2
Perfect score: 156
Sequence: 1 MMVLGALCFRMDKSLKVL.....IPEDPANDAPITDFYFQQCD 156

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 217505 seqs, 42489236 residues

Word size : 8

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Published Applications AA New:
1: /SIDSS/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
2: /SIDSS/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
3: /SIDSS/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
4: /SIDSS/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
5: /SIDSS/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
6: /SIDSS/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
7: /SIDSS/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
8: /SIDSS/ptodata/1/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	DB Length	ID	Description

No matches found

Search completed: April 14, 2006, 01:28:30
Job time : 26 secs